

Claims

5th
A2

1. Electrically conductive floor covering based on linoleum, comprising a wear layer (2), a lower level (3), and a backing (4), with the wear layer (2) comprising 0.1% to 5% by weight carbon black and/or 0.1% to 8% by weight metal powder in relation to the total weight of the wear layer (2), with the lower layer (3) containing as at least one electrically conductive filler material 1% to 20% by weight carbon black and/or 1.5% to 40% metal powder in relation to the conductive mixed mass, with the floor covering having a contact resistance R_1 per EN 1081 (April 1998) of a maximum of $10^7 \Omega$.
2. Floor covering according to Claim 1, with the lower layer (3) having a thickness of 0.6 mm to 1.4 mm.
3. Floor covering according to Claim 1 or 2, with the wear layer (2) comprising a chemical additive for increasing conductivity.
4. Floor covering according to Claim 3, with the chemical additive being selected from morpholin and/or at least a derivative of imidazol, imidazolin, or benzimidazol or a mixture thereof.
5. Floor covering according to one of the preceding claims, with the wear layer (2) having a bright color.
6. Floor covering according to one of the preceding claims, with the wear layer (2) as such having a multicolor pattern.
7. Floor covering according to one of the preceding claims, with the wear layer (2) having a thickness of 1.4 mm to 3.6 mm.

CHANGED SHEET

8. Floor covering according to one of the preceding claims, with an electrically conductive web (5) being arranged on the side of the backing (4) facing away from the lower layer (3).

9. Floor covering according to Claim 8, with the electrically conductive web (5) comprising an electrically conductive filler material.

10. *A2* Method for producing a floor covering based on linoleum according to one of Claims 1 through 9 comprising

- the application of the lower layer (3) onto a backing (4) and
- the forming of the wear layer (2) on the lower layer (3).

11. Method according to Claim 10 with at least one back coating in the form of an electrically conductive web (5) being applied to the back side of the floor covering.

12. Method according to Claim 11, with the web-like back coating (5) being applied through a press process.

CHANGED SHEET